

[54] MULTIPLE CHAMBER SOLUTION CONTAINER INCLUDING POSITIVE TEST FOR HOMOGENOUS MIXTURE

[75] Inventor: John W. Hart, Winnetka, Ill.

[73] Assignee: Baxter Travenol Laboratories, Inc., Deerfield, Ill.

[21] Appl. No.: 319,491

[22] Filed: Nov. 9, 1981

[51] Int. Cl.³ A61J 1/00; B65D 30/22; A61M 5/00

[52] U.S. Cl. 604/56; 604/82; 604/87; 604/404; 604/410; 604/416

[58] Field of Search 604/56, 81, 82, 87, 604/89, 91, 404, 408, 410, 416, 262; 150/2.5, DIG. 1; 215/1 C, 6, DIG. 3, DIG. 8

[56] References Cited

U.S. PATENT DOCUMENTS

- | | | | |
|-----------|---------|------------------------|---------|
| 2,714,974 | 8/1955 | Sawyer . | |
| 3,064,802 | 11/1962 | Jess et al. . | |
| 3,110,308 | 11/1963 | Bellamy, Jr. . | |
| 3,685,795 | 8/1972 | Caster . | |
| 3,762,399 | 10/1973 | Riedell | 604/408 |
| 3,911,918 | 10/1975 | Turner | 604/410 |
| 3,985,135 | 10/1976 | Carpenter et al. | 604/410 |
| 4,140,162 | 2/1979 | Gajewski et al. . | |
| 4,191,231 | 3/1980 | Winchell et al. . | |
| 4,195,632 | 4/1980 | Parker et al. . | |

4,198,972	4/1980	Herb	604/408
4,258,723	3/1981	McCue et al.	604/56
4,259,952	4/1981	Avoy	604/82
4,267,837	5/1981	Purdy et al.	604/82
4,294,247	10/1981	Carter et al. .	.
4,336,802	6/1982	Stone et al.	604/416
4,340,049	7/1982	Munsch .	.

OTHER PUBLICATIONS

Nutriflex^R Container by Vifor, S. A. of Geneva, Switzerland; additional identification marks are "TwinFlex," No. 560, and 32/750.

Primary Examiner—Richard J. Apley

Assistant Examiner—Michelle N. Lester

Attorney, Agent, or Firm—Paul C. Flattery; John P. Kirby, Jr.; Bradford R. L. Price

[57]

ABSTRACT

A container having a unique two chamber construction provides for the passive mixing of two supply solutions having different specific gravities into a single homogenous solution in a closed environment. The container includes means for a positive test that a single homogenous solution has been achieved. The container is especially useful for storing and mixing two supply solutions which when mixed form a single medical solution which itself is unsuitable for storage over extended time periods.

8 Claims, 11 Drawing Figures

